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PREFACE

THE electronics industry was born of simpler needs and in simpler times than those we now know. The passage of the last half century has developed this industry from a struggling newcomer to a lusty Goliath of billion dollar proportions. From its researches are emerging tools and concepts unique to man's experience. Man's comfort, health, safety and even his very survival are increasingly affected by this burgeoning industry. Much of this story of growth, of increasing diversification and expansion to meet the challenge inherent in new areas of technology, is the story of Raytheon, one of the pioneer companies in the field.

Three years ago, Raytheon, in recognition of the increasing diversity of its own technical activities, as well as in an awareness of its growing organizational and geographical complexity, initiated a technical magazine, ELECTRONIC PROGRESS. The intent was to broadly inform Raytheon engineering and scientific personnel of the Company's technical programs and achievements, to provide links between groups with similar professional interests and to generate a feeling of technical communality within the engineering body. Although the editorial policies were guided solely by internal criteria, it became apparent early that a great many individuals outside of Raytheon were viewing the magazine as a source of broad technical information on electronic topics.

As this outside interest grew, an idea began to form for making the material available to a larger readership. The magazine's third anniversary provided the necessary catalyst, and as a result this book was published.

IVAN A. GETTING

Vice President
Engineering and Research

JUNE, 1959

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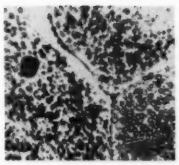

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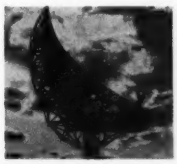

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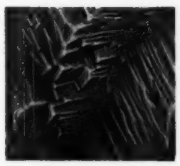

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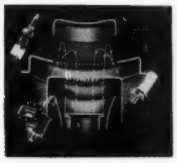

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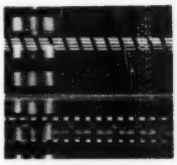

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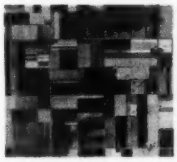

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